

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) An electrode tool for electrochemical machining comprising:
an electrode substrate including a machining electrode surface;
a conductive pattern defined by a plurality of lands and grooves formed on the machining electrode surface;
an insulating resin molded integrally with the electrode substrate and filled into the grooves of the conductive pattern,
wherein the lands define a surface of the conductive pattern that is below a surface of the insulating resin filled into the grooves of the conductive pattern, and
a height difference between the surface of the conductive pattern and the surface of the insulating resin is between 1 and 5 μm .
2. (Original) The electrode tool as set forth in claim 1, wherein the insulating resin comprises a resin selected from among epoxy resin, urethane resin and polyimide resin.
3. (Original) The electrode tool as set forth in claim 1, wherein the electrode substrate comprises one of brass and austenitic stainless steel, and the insulation layer comprises an epoxy resin.
4. (Original) The electrode tool as set forth in claim 1, wherein the lands comprise deburred lands.
5. (Original) The electrode tool as set forth in claim 1, wherein the height difference between the surface of the conductive pattern and the surface of the insulating resin is between 1 and 3 μm .

6. (Original) The electrode tool as set forth in claim 1, wherein the height difference between the surface of the conductive pattern and the surface of the insulating resin is 2 μm .

7. (Original) The electrode tool as set forth in claim 1, wherein the height difference between the surface of the conductive pattern and the surface of the insulating resin is 3 μm .

8. (Original) The electrode tool as set forth in claim 1, wherein the lands have rounded edges.

9. (Original) The electrode tool as set forth in claim 1, wherein the conductive pattern reproduced on a work piece is free of groove separation breaks.

10. – 20. Canceled